A COMPLETE INDEX OF VOLUME 11
1934

A

abduction.....7, 9, 12, 125, 175, 176, 177, 178, 243, 368, 374, 413, 416, 418, 448, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472
Abney 339, 344, 345
absolute convergence (also see convergence) 368
absorption lenses.....120, 136, 137, 138, 139, 272, 273, 274
Absorption lenses, suggestions for prescribing, J. O. Baxter, Jr..... 136
accidential squint (also see squint)..... 284
accidents due to improper illumination... 156
accommodation....2, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 33, 34, 35, 66, 67, 68, 69, 118, 136, 137, 138, 190, 228, 246, 248, 249, 268, 276, 278, 286, 291, 320, 323, 326, 327, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 392, 393, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460
Accommodation, Astigmatic, B. M. Lazich. 379
Accommodation Convergence relationship, A case relating to the study of, Lloyd K. Wyatt 32
Accommodative-convergence, Philip Pollack 66
accommodative exophoria (also see exophoria) 414
actinic lens 137, 139
Adachi 55, 56
Adams, John 475
adaption, law of..... 269
adduction (also see convergence).....5, 6, 7, 123, 125, 175, 176, 177, 178, 243, 368, 374, 413, 416, 448, 462
Adler 292, 311, 344, 345, 392
Adrian 214
aetiology of disease, ocular..... 277
albino 136, 139
albuminuric retinitis 191
Alexander, G. F.....69, 278, 279, 433
algebra 74
Alger, E. M.....249, 271
Allen 345
Allen, H. S..... 108
alternating squint (also see squint)..286, 304
amblyopia (also see orthoptic treatment) 201, 205, 218, 221, 222, 224, 225, 226, 284, 286, 290, 291, 296, 297, 298, 299, 300, 301, 302, 303, 304, 310, 311, 312, 313, 348, 393, 453, 458
amblyopia ex anopsia (see amblyopia)
Amblyopic treatment technics, H. E. Pine. 221
amblyoscope (also see orthoptic treatments) 287, 288, 289, 297, 305
amblyoscopic treatments (see orthoptic treatment)
American Academy of Optometry.....1, 27, 28, 32, 48, 70, 79, 158, 185, 199, 200, 212, 214, 221, 227, 237, 248, 286, 322, 348, 390, 406, 445, 462
American Medical Association.....195, 314
American Ophthalmological Congess..... 250
American Optical Company.....225, 464
American Optometric Association....237, 314, 403, 445
Ames.....343, 344, 391, 392, 393
Amherst College 478
Analysis of the findings from a routine examination, Robert N. Walker..... 1
anatomical views 78
anatomy.....75, 78, 140, 244
Anderson, E. A..... 154
Andreae, J. Fred..... 279
anemia 37
anemia of the retina.....191, 238
angle gamma 285
Animated Fusion Training Charts, Dvorine 77, 78
aniseikonia.....390, 393, 394, 395, 396, 397, 398, 399, 400
anisometropia.....310, 396, 453, 459
antrums 404
aphakia.....69, 73, 323, 342
aphakic eyes, color tests in..... 339
aqueous.....1, 107, 190, 191, 380
Argyll, Robertson pupil..... 434
Aristotle 157
Arneson 301, 302
Aronsfeld, G. H.....316, 317
Aronsfeld Variable Prism Technic of Static Skiametry, C. C. Koch..... 316
Art of Optometry, The, E. LeRoy Ryer and Elmer E. Hotaling..... 28
arteries (also see blood vessels).....2, 52, 54, 56, 141, 276
arteriosclerosis 191, 277
asthenopia.....137, 272, 364, 369, 370
Astigmatic Accommodation, B. M. Lazich. 379
astigmatic chart 6, 250
astigmatism...23, 24, 33, 73, 74, 111, 118, 179, 203 204, 205, 206, 207, 211, 248, 260, 261, 262, 263, 264, 265, 267, 268, 280, 290, 291, 296, 379, 380, 381, 382, 383, 396, 400, 409, 449
Astigmia, a case of large amount, J. T. Rushmer 111
astigmometer 28
Atherton, C. A..... 154
Atkinson, D. T..... 321
Atkinson, T. G.....321, 362, 421, 460
atoms 80, 197
atropine (also see cycloplegic)..... 298
Atwater, D. W..... 154
auto-condensation 70
auto-condensation pad 71
autonomic nervous system..... 189

A COMPLETE INDEX OF VOLUME 11
1934

A

abduction.....7, 9, 12, 125, 175, 176, 177, 178, 243, 368, 374, 413, 416, 418, 448, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472
Abney 339, 344, 345
absolute convergence (also see convergence) 368
absorption lenses.....120, 136, 137, 138, 139, 272, 273, 274
Absorption lenses, suggestions for prescribing, J. O. Baxter, Jr..... 136
accidential squint (also see squint)..... 284
accidents due to improper illumination... 156
accommodation....2, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 33, 34, 35, 66, 67, 68, 69, 118, 136, 137, 138, 190, 228, 246, 248, 249, 268, 276, 278, 286, 291, 320, 323, 326, 327, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 392, 393, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460
Accommodation, Astigmatic, B. M. Lazich. 379
Accommodation Convergence relationship, A case relating to the study of, Lloyd K. Wyatt 32
Accommodative-convergence, Philip Pollack 66
accommodative exophoria (also see exophoria) 414
actinic lens 137, 139
Adachi 55, 56
Adams, John 475
adaption, law of..... 269
adduction (also see convergence).....5, 6, 7, 123, 125, 175, 176, 177, 178, 243, 368, 374, 413, 416, 448, 462
Adler 292, 311, 344, 345, 392
Adrian 214
aetiology of disease, ocular..... 277
albino 136, 139
albuminuric retinitis 191
Alexander, G. F.....69, 278, 279, 433
algebra 74
Alger, E. M.....249, 271
Allen 345
Allen, H. S..... 108
alternating squint (also see squint)..286, 304
amblyopia (also see orthoptic treatment) 201, 205, 218, 221, 222, 224, 225, 226, 284, 286, 290, 291, 296, 297, 298, 299, 300, 301, 302, 303, 304, 310, 311, 312, 313, 348, 393, 453, 458
amblyopia ex anopsia (see amblyopia)
Amblyopic treatment technics, H. E. Pine. 221
amblyoscope (also see orthoptic treatments) 287, 288, 289, 297, 305
amblyoscopic treatments (see orthoptic treatment)
American Academy of Optometry.....1, 27, 28, 32, 48, 70, 79, 158, 185, 199, 200, 212, 214, 221, 227, 237, 248, 286, 322, 348, 390, 406, 445, 462
American Medical Association.....195, 314
American Ophthalmological Congess..... 250
American Optical Company.....225, 464
American Optometric Association....237, 314, 403, 445
Ames.....343, 344, 391, 392, 393
Amherst College 478
Analysis of the findings from a routine examination, Robert N. Walker..... 1
anatomical views 78
anatomy.....75, 78, 140, 244
Anderson, E. A..... 154
Andreae, J. Fred..... 279
anemia 37
anemia of the retina.....191, 238
angle gamma 285
Animated Fusion Training Charts, Dvorine 77, 78
aniseikonia.....390, 393, 394, 395, 396, 397, 398, 399, 400
anisometropia.....310, 396, 453, 459
antrums 404
aphakia.....69, 73, 323, 342
aphakic eyes, color tests in..... 339
aqueous.....1, 107, 190, 191, 380
Argyll, Robertson pupil..... 434
Aristotle 157
Arneson 301, 302
Aronsfeld, G. H.....316, 317
Aronsfeld Variable Prism Technic of Static Skiametry, C. C. Koch..... 316
Art of Optometry, The, E. LeRoy Ryer and Elmer E. Hotaling..... 28
arteries (also see blood vessels).....2, 52, 54, 56, 141, 276
arteriosclerosis 191, 277
asthenopia.....137, 272, 364, 369, 370
Astigmatic Accommodation, B. M. Lazich. 379
astigmatic chart 6, 250
astigmatism...23, 24, 33, 73, 74, 111, 118, 179, 203 204, 205, 206, 207, 211, 248, 260, 261, 262, 263, 264, 265, 267, 268, 280, 290, 291, 296, 379, 380, 381, 382, 383, 396, 400, 409, 449
Astigmia, a case of large amount, J. T. Rushmer 111
astigmometer 28
Atherton, C. A..... 154
Atkinson, D. T..... 321
Atkinson, T. G.....321, 362, 421, 460
atoms 80, 197
atropine (also see cycloplegic)..... 298
Atwater, D. W..... 154
auto-condensation 70
auto-condensation pad 71
autonomic nervous system..... 189

B

Baer, B. 346, 347
Baker 344
Baker, R. C. 65
Ball, J. M. 249, 270
Baly 92
Barger 92
Barr, D. P. 131, 132, 135
Bateman, Frank E. 232, 234, 235
Bates 344, 345
Bausch and Lomb Company 44
Baxter, J. O., Jr. 136
Baxter, J. O., Jr., Suggestions for prescribing absorption lenses 136
Baxter, J. O., Sr 136
Beacher, L. Lester 198, 272, 274, 346
Beacher, L. Lester, Symptomatology of Glare 272
Bean 213
Beck 433
Behr, C. 474
Bell 106
Bergeim 131
Berzelius 146
Best, Robt 403
Betts, F. L. 445
bichrome check test (see bichrome refraction) 322
bichrome refraction 279, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347
Bichrome Refraction, Ryer and Hotaling ..322
bifocal mirror spectacles 354, 355
bifocals 4, 11, 12, 13, 17, 24, 120, 123, 124, 125, 128, 173, 291, 296, 460, 475, 476
Bifocals, Benjamin Franklin, the inventor of, J. I. Kurtz 475
Bilateral ptosis, a case of functional, J. I. Kurtz 227
bilateral squint (also see squint) 284
Binocular phenomena, a new objective technique for investigating, Robert H. Peckham 40
binocular vision, grades of 292
Boering, E. G. 195
Bohall, B. H. 346
Bohr 214
Boltzmann 87
Bose, J. C. 108
Bovie 92, 93
blenorrhea, acute 437
blepharitis 405
blepharospasm 405
blindness 70, 73, 191, 218, 286, 348, 430, 431, 435, 437, 438
Blindness, a case of monolateral, J. I. Kurtz 70
blood calcium tests 130
blood chemistry 174
blood pressure, abnormal 123, 125, 128, 136, 137, 138, 139, 277
blood vessels 1, 2, 14, 433
Blunt, K. 108
blur circles 329, 330, 331, 335, 337, 339
blur point ..7, 8, 11, 13, 14, 343, 360, 361, 453, 471

Books Reviewed
Anatomical Views, C. Gustrine 78
Animated Fusion Training Charts, I. Dvorine 77
Applied Refraction with special reference to the Blur-Point Technique, Louis Jaques and George Crow 360
Atlas of External Diseases of the Eye, H. Neame 277
Cataract, C. A. Clapp 477
Diseases of the Eye, Fifth Edition, Sir John Herbert Parsons 363
Diseases of the Eye, Seventh Edition, Sir John Herbert Parsons 476
External Diseases of the Eye, D. T. Atkinson 321
Fundamentals of Practice and Analysis in Optometric Examination, S. K. Lesser 38
Heroic Age of Science, W. A. Heidel 157
Manual of the Diseases of the Eye for Students and General Practitioners, Charles H. May 361
Ocular Dioptrics and Lenses, G. F. Alexander 278
Oculo-Refractive Cyclopedia and Dictionary, Thomas G. Atkinson 362
Optics, W. H. A. Fincham 196
Physical Optics, Robert Wood 77
Practical Optometry, L. Lester Beacher. 198
Report of a joint discussion on Vision. Physical and Optical Societies, England 117
Report of the Transactions of the Twelfth Annual meeting of the American Academy of Optometry, Vol VIII 279
Seeing and Human Welfare, M. Luckiesh 280
Strabismus, H. R. Higley 477
Transactions of the Optical Congress, (England), 1933 76
Universe of Light, W. Bragg 197
Year Book of the New York State Optometric Association, 1934, D. K. Uttal and B. G. Rosenkranz 198
Bragg, W. 197, 198
brain 48, 49, 213, 221, 358, 393, 431, 433
Brown, W. I. 356
Brust, P. R. 370, 378
bulbophthalmus 283
Burge 104, 105, 108
Burkhart, E. 125
Butler, T. H. 269, 271

C

Calcification, metastatic, Russell E. Simpson 130
calcium metabolism 130, 131, 132, 134
calcium salts 130
calculus 74
California Optometric Research Institute. 131
calvaria 48, 49, 50
campimeter 284, 297, 307, 338
Cannon 216
Cantarow, A. 130, 131, 133, 135
carbon arc lamps 81, 82, 87, 89, 92, 99, 100, 105, 158, 159, 162, 163, 182, 183, 218, 219
Carleton 108, 393, 400
Carl Zeiss plant 72
Carpentier 289
case history (also see symptoms) 1, 30, 32, 36, 37, 38, 70, 109, 124, 161, 169, 170, 172, 173, 175, 176, 177, 178, 179, 181, 218, 222, 223, 272, 274, 282, 283, 374, 410, 413
Case History remote, C. C. Koch 36
cataract 139, 189, 191, 218, 219, 232, 233, 234, 235, 277, 284, 403, 405, 435, 477
Cataract cases, results of medical treatment, Thomas Harrison Fames 232
cephalic index 204, 207
chancre 427, 430, 431, 438
Chasson, D. M. 410
cheiroscope (also see orthoptic treatment) 225, 297, 298, 299, 303
Chicago Parental School 199, 200
Children, Refractive errors in, J. I. Kurtz. 473
chlorophyll 100, 101, 102, 103, 104
chlorosis 460
choroid 107, 141, 189, 190, 191, 214, 234, 432, 434, 436
choroiditis 37, 284, 405, 431, 432, 436, 438
Chromagraphology, Donald J. Mayer 119
chromagraphs 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 134, 219
chromatic aberration 331, 332, 340

chromoptometry (see bichrome refraction) 322
cilia 1, 143, 147
ciliary body (also see accommodation).. 34, 106, 107, 189, 190, 248, 268, 277, 364, 367, 368, 432, 434
ciliary relaxation 173, 244
ciliary tonicity (also see accommodation). 34
circle and square test.... 293
Clapp, C. A.... 477
Clark, J. T.... 108
Clason Visual Acuity Meter.... 6
cleft palate 201
Clewell, G. A.... 154
club foot 201
cobalt blue glass.... 335
cobalt lamp test for astigmatism.... 118
colds, nasal 405
Colebrook, G. W.....76, 91
Collip 131, 133
colobomata 201
color blindness.....129, 201, 205, 238, 323, 338, 339, 342, 435
color fields, charting (also see perimetry) 22, 119, 120, 121, 122, 123, 124, 126, 127, 129, 134, 149, 174, 191, 219, 241, 242, 284
color vision.....47, 113, 117, 118, 140, 149, 150, 151, 201, 205, 338, 339, 357, 358, 359, 435
Color vision, a theory, Harry Lee Fording. 140
Color Vision, Theories of, C. C. Koch..... 357
Columbia University 73, 445
Colville, J. R.... 154
comitant squint (also see squint).... 284
Committee on the Costs of Medical Care... 185
complimentary color test.....293, 322
complimentary colored negative image... 360
Compton, A. H.....86, 93
congenital amblyopia 291
conical cornea 73
conjunctiva.....1, 131, 189, 220, 277, 431, 432, 433, 435, 436, 437
conjunctivitis....189, 191, 238, 370, 405, 435, 437
constant squint (also see squint).... 284
constitutional treatment in the correction of squint 296
Contact eye-glasses, C. C. Koch..... 72
contact lenses.....72, 73, 74, 76
convergence (also see extra-ocular muscles).....4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 34, 35, 66, 67, 68, 69, 115, 116, 117, 125, 136, 137, 138, 246, 280, 283, 286, 303, 304, 323, 343, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 393, 405, 412, 413, 414, 415, 416, 417, 418, 419, 421, 422, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472
convergence, absolute and relative (see convergence) 368
Convergence-Accommodation relationship, A case leading to the study of, Lloyd K. Wyatt.... 32
Convergence-Accommodation, the question of, Philip Pollack.... 66
Convergence Ocular, Charles Sheard...412, 448
convergent squint (also see squint)..... 284
Copeland, J. C.....340, 344, 345
Copernicus 326
Coque, Max 215
cornea.....1, 42, 44, 50, 52, 53, 55, 73, 105, 106, 111, 116, 189, 190, 193, 205, 277, 278, 280, 284, 290, 380, 430, 431, 433, 434, 435, 436, 437, 440
Corneal image test.... 285
corneal scars 283
Cornu 85
CorrectEYEgraphs 224, 225, 226
cosmic rays 83, 84, 85, 86, 94, 95
Cover test 285
Cowan, R. 108
Crile 215
Crisp, Wm. H.... 250
Cross, Andrew Jay.....75, 307, 320, 450
cross cylinder.....10, 11, 250, 413
cross cylinder test.....11, 398
Crow, G. 360, 421
Cruse, L. M.....463, 465, 466
crystaline lens.....105, 106, 107, 116, 189, 190, 191, 193, 232, 233, 234, 268, 277, 284, 339, 379, 381, 382, 433, 477
Curies 83
Cushing, H. C., Jr.....152, 154
cyclitis.....37, 190, 238, 431, 434, 436
cyclodamic test 168
cyclophoria 396
cycloplegic (also see atropine).....118, 248, 249, 250, 252, 254, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 267, 268, 269, 270, 298, 379, 474
Cycloplegic, Refraction with and without, J. I. Kurtz.... 248
cylindrical lens.....3, 5, 111, 346, 364, 365, 379, 380, 383

D

Dana 213, 216
Daniels 213
dark adaptation 117
d'Arsonval 214
Dartmouth College 392, 445
Davis, A. E.....269, 270, 421, 460
Davisson 93
Dearborn 311
DeBroglie 214
Decker, J. C.... 271
Dempser 93
depthoscope, Higley 478
depth perception.....33, 34, 42, 74, 112, 113, 117, 478
depth perception test.....112, 113
Depth perception test, a simple monocular, C. C. Koch.... 112
dermatology 321
DeSchweinitz, G. 65, 248, 270
detachment of the retina.... 191
DeWecker 249
diabetes.....37, 238, 276, 277
Diabetes, Ocular Manifestations of, J. I. Kurtz 276
Diagnosis and symptoms, C. C. Koch..... 113
diagnosis from objective refractive findings 47, 113
diagnosis of ocular pathology, need for... 438
diagnosis of squint (also see squint)...282, 294
diet 130, 131
dilator muscle of the iris.... 474
diplopia.....5, 7, 44, 66, 69, 115, 175, 176, 223, 242, 285, 349
disections of extrinsic ocular muscles...48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65
divergent squint (also see squint)..... 284
Dixon 91
dizziness.....121, 189, 397, 398
Doane, Howard C.....279, 390
Doane, H. C., The clinical significance of differences in the size and shape of ocular images 390
Doane, S. E.... 154
Dobson, Margaret.....421, 460, 461
Doland, C. K.....463, 467, 468
Doliand 475, 476
dominant eye.....283, 286, 298, 307, 311
Donders.....2, 15, 25, 65, 151, 365, 377, 412, 444, 455, 456
Dorowolski 379
Dove 444
Duane, A.....270, 290, 311, 421, 453, 461
Ducrey's strepto-bacillus 430, 437
Duke-Elder, W. S.....91, 108
duochrome refraction (see bichrome refraction) 322
DuPlessis, G. L.... 403

Durgin, W. A. 153
Dvorine Animated Fusion Training Charts 77
Dvorine, I. 77, 78
dynamic lenticular astigmatism (also see astigmatism) 379, 380, 381, 382
dynamic skiametry (see skiametry-dynamic)

E

Eames, Thomas H. 232, 234, 235
Eames, T. H., Results of medical treatment in cataract cases 232
ear 404, 405
Eberhart, Nobel M. 245
ectropian 190
Edser 344, 345
Education and research, optometric, J. I. Kurtz 236
Education, Graduate Optometric, J. I. Kurtz 403
Education, optometric, W. H. Glazer 74
Effect of light which enters the eye, J. I. Kurtz 239
Ehrlich 424
Eidinow 91
Ekkage 435
Eldridge-Green 151
electric waves 80, 86, 93
Electro-Magnetic spectrum, Chas. Sheard. 79
Elliotson 195
Ellis 108
embolism of the retinal arteries 191, 277
emmetropia 202, 203, 204, 205, 211, 395, 414, 451
encephalitis 238
entropian 190
epilepsy 286
episcleritis 190
ergosterol 92
ericiscope 322
erysipelas 430
esophoria (also see extra ocular muscles) 3, 5, 6, 7, 9, 10, 12, 25, 33, 115, 136, 159, 164, 165, 174, 175, 176, 177, 178, 182, 183, 184, 205, 208, 209, 210, 211, 217, 247, 304, 374, 377, 396, 414, 415, 416, 418, 420, 459
esotropia (also see squint) 175, 223, 247
essential squint (also see squint) 284
Eusterman, G. B. 114
Examination, analysis of the findings, Robert N. Walker 1
Exogenous toxemia diagnosed by chromagraphology, Donald J. Mayer 119
exophoria (also see extra ocular muscles) 3, 5, 6, 7, 8, 9, 10, 13, 25, 68, 69, 115, 117, 125, 137, 165, 184, 205, 208, 209, 224, 286, 304, 367, 374, 375, 396, 398, 399, 414, 415, 416, 417, 418, 419, 420, 451, 458, 459, 460, 470
exophthalmic goitre 273
exophthalmos 435
exotropia (also see squint) 32, 33, 34, 114, 115, 116, 117, 224, 247, 286
Exotropia, a case of, N. Levin 114
external examination 1, 109, 134, 193, 277, 282, 398
extra-ocular muscles (also see convergence and orthoptic treatment) 9, 27, 48, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 113, 114, 115, 116, 117, 118, 123, 124, 128, 134, 136, 179, 205, 208, 222, 223, 238, 240, 241, 244, 245, 246, 247, 280, 365, 368, 372, 376, 393, 398, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 431, 433, 448, 449, 450, 451, 452, 453, 454, 455, **456, 457, 458, 459, 460, 462, 463, 464, 465,** 466, 467, 468, 469, 470, 471, 472, 477, 478
Extra Ocular Muscles, Mechanical Experiments to reproduce the functions of F. McFadden 244
Extrinsic muscles of the eye, R. M. Hall ... 48
eye and hand, co-ordinated movements 298, 299
eyeball 27
eyelashes 432
Eye Tic, a case of, H. Leslie Salov 109

F

F and L test 33, 34, 115
false squint (also see squint) 284
Fatigue, Visual caused by Glare, C. C. Koch 359
Feinbloom, Wm. 72, 73, 279, 288, 311, 313, 362, 404
Fernandez, Santos 431
Fernberger 110
Ferree 118
fifth nerve, nasal branch 52, 404, 430
filters, colored 328, 329, 334, 335, 336, 337, 339, 340, 341, 343, 346
Fincham, W. H. A. 196, 197
fixation for skiametry 290, 291
focal infection (also see toxemia) 7, 8, 13, 14, 119, 121, 123, 124, 128, 129, 174, 189, 190, 201, 205, 211, 404, 405, 460
foot-candle meter 154
forceps, dissecting 48, 49
Fording, Harry Lee 140, 141, 142, 144, 146, 150
Fording Harry Lee, A theory of color vision 140
Foster 99, 101, 108
Fournier 431, 435
fourth nerve 277
fovea 149
Franklin, Benjamin 475, 476
Franklin Institute 197
Frederick 475
Fuchs 52, 55, 56, 65, 249, 271
functional blindness 71
fundus (also see retina) 2, 234, 339
fungus 430
fusion (also see accommodation and convergence) 286, 292, 293, 306, 415, 419
fusion training (see orthoptic treatment)

G

Galen (Claudius Galenus) 424
gamma rays 81, 83, 84, 85, 86, 93, 94, 95
Gasson, W. 423
Gasson, W., Ocular Involvements from Venereal Diseases 423
Gates 91
Gaucher 435
genetics 75, 278
Genothalmic color lantern 339
geometric optics 29, 197, 212, 278
geometry 74, 278
Giessing, H. G. A. 237, 238
glare 272, 273, 274, 359, 360, 403
Glare, Symptomatology of, L. Lester Beacher 272
glare test, subjective 273, 274
Glare, Visual Fatigue caused by, C. C. Koch 359
glarometer 274
glass, transmission of 81, 97, 98, 99, 100, 101, 102, 103, 322
glaucoma 37, 189, 190, 191, 193, 238, 249, 403, 405
Glaucoma, H. Leslie Salov 193
Glazer, W. H. 76, 403
Glazer, W. H., The fundamentals of Optometric education 74
Gliddon, G. 343, 391, 392, 393
Gobar, F. H. 370, 378
gonococcus 429, 437, 439
gonorrhea 37, 425, 426, 427, 429, 436, 437, 438, 440
Gonzalees 213

Gould, George M. 155
Graduate Foundation Clinic 3, 6, 7, 9, 11, 13, 14, 15, 27, 38, 39
Grant 91
grating, fine line 333
Gray, W. H. 276, 277
Green, W. 76
green-blue filters 328, 329, 334, 335, 336, 337, 340, 341, 342, 347
Greenwald 133
Greiner 93
Griffith 88, 92
Gross 133
Grotthus 91
Gudden 435
Guibor, G. P. 318, 319
Gullstrand 381
gummata 427, 434, 438
Gustrine, Chas. 78

H

Haitz charts 284
Hall, R. M. 48, 55, 56, 279, 281, 312, 313, 318, 346, 362
Hall, R. M., A study of the extrinsic muscles of the eye 48
Hall, R. M., The Non-operative treatment of Strabismus 281
hand and eye, co-ordinated movements 298, 299
handedness, its relation to eyedness..44, 47, 201, 279, 283, 298, 299
Hansell 56, 249, 270
Hardy, W. E. 76
Harman 435
Harmon, M. M. 346
Harrington, R. E. 154
Harrison, W. 154
Hart 91, 97
Harthausen 91
Hartridge 106
Harvey 326
Hastings 344, 345
headaches (also see symptoms) 70, 120, 121, 165, 169, 170, 172, 177, 178, 180, 189, 219, 220, 275, 276, 397, 398, 405, 458
heart, involvements of 37, 276
Heather, W. J. 199, 345
Heather, W. J., and Needles, W. B., Optometric Survey 199
Heidel, William A. 157
Heine, L. 73
Helmholtz 65, 75, 150, 151, 278, 312, 322, 344, 345, 357, 359, 412
Hemianopsia spectacles 348, 349, 350, 351, 352, 353, 354, 355, 356
hemorrhages of the retina (also see retina) 191, 277, 284, 405, 432, 433
Henry 290, 298
Hensen 380
heredito-syphilis (also see syphilis)..428, 435
heredity 212, 213, 282, 311
Hering, Ewald 151, 357, 358, 359
herpes 430
herpes corneae 430
herpes febrilis 430
herpes ophthalmicus 430
Herschel 84
Hertel 92
Hertz 80, 82, 84
Hertzian waves 82, 84, 85, 86, 94, 95
Hess 91, 92
heteronymous hemianopsia 349
heterophorias 208, 211, 223
Hibben, S. G. 154
Higgins 89, 91, 97, 98, 99, 100, 101, 108
high-frequency 71
Higley, H. R. 321, 477, 478
Hill, Leonard 91, 92, 106, 108
Hirschenberg 289
History, Case. C. C. Koch 36
Hofmeister, F. 132, 135
Holweck 85
homonymous hemianopsia 279, 348, 349 350, 351, 352, 353, 354, 355
Homonymous Hemianopsia, The Optical Correction of a case of Charles E. Jaeckle 348
horoptor 391, 392
Horton, Hammond S. 240
Horton, Hammond S. Mid-Life Imballance Phenomenon 240
Hotaling, Elmer E. ..28, 279, 322, 345, 346, 404
Hotaling, E. E. and Ryer E. LeRoy. Bichrome Refraction 322
Hotaling, Elmer E. and Ryer, E. LeRoy. The Art of Optometry 28
Houstoun 345
Howe, Lucien 55, 65, 365, 377, 448
Humphris, F. H. 108
Hutchinson teeth 284, 428, 436
Huxley 75
Huygens 197
hyaloid artery 233
hypercalcemia 132
hyperemia of the optic nerve 192
hyperemia of the retina 191
hyperopia 3, 4, 5, 12, 24, 118, 159, 165, 168, 169, 170, 171, 172, 173, 174, 177, 178, 179, 180, 181, 182, 183, 203, 204, 205, 206, 207, 208, 209, 210, 211, 249, 268, 269, 275, 276, 285, 286, 311, 323, 326, 342, 372, 396, 417, 421, 449, 450, 453, 458, 473, 474
Hyperopia, Ocular symptoms in, C. C. Koch 275
Hyperparathyroidism. Russell E. Simpson 130
hyperphoria....6, 9, 67, 125, 128, 205, 377, 396
hysteria 71

I

Igersheimer 355
Illuminating Engineering Society 446
illumination....152, 153, 154, 155, 156, 157, 273, 280, 401, 402, 446, 447
Illumination, hygiene of. Kurtz, J. I..401, 446
Illumination requirements table, minimum 154, 155, 401, 402, 447
Imbert 322, 340, 342
inferior orbital canal 49
influenza 238, 405, 430
infra-red radiations 79, 81, 84, 85, 86, 89, 93, 94, 95, 100, 102, 103, 104, 106, 107
Ingalls, A. G. 90
inner canthus 48
insanity 286
insomnia 120
Insurance, Compulsory Health. C. C. Koch 314
interferometers 86
interpupillary gauge 28
interstitial keratitis 425
intestinal auto-intoxication 131, 135
intestine 131
intraocular tension 50
ionization chambers 90
iris (also see pupil)....1, 42, 47, 106, 107, 137, 189, 190, 277, 351, 432, 434, 474
iris, reaction of 474, 475
Iris, the muscles of, and their action. Kurtz, J. I. 474
iritis 37, 189, 190, 191, 248, 405, 427, 431, 432, 436, 437, 438, 440
iseikonia 393
iseikonic lenses 393, 399, 400
Ishihara color test 339
itch 430
ivory ball visual acuity test 290

J

Jackson, Edward 249
Jaeckle, Charles E.....279, 348, 356
Jaeckle, Charles E. Optical Correction of a case of Homonymous Hemianopsia... 348
Jaensch 312
Jagolinzer, C. 36
James, William 75
Jaques, L.....360, 362, 421, 461
Javal 289, 412
Jeans 83, 95
Jennings 345
Jenson, Geo. C..... 403
Johnson 102
Jones, Ray V.....70, 71

K

Karpinska 444
Kempf 213
keratitis.....37, 189, 190, 283, 405, 425, 430, 434, 435, 438, 439
keratoconus 73
kidneys 131, 132
Kight, A. C.....463, 465, 466
Klotz, O.....131, 135
Knapp 412
Knowlton 214
Koch, C. C.....38, 39, 74, 77, 78, 113, 114, 157, 158, 159, 160, 161, 168, 183, 184, 198, 230, 276, 278, 279, 280, 316, 317, 319, 321, 359, 360, 361, 362, 363, 403, 404, 421, 461, 477, 478
Koch, C. C. Case History, remote..... 36
Koch, C. C. Compulsory Health Insurance 314
Koch, C. C. Contact eye-glasses..... 72
Koch, C. C. Depth perception test..... 112
Koch, C. C. Diagnosis and Symptoms.... 113
Koch, C. C. Lighting and vision..... 152
Koch, C. C. Ocular Symptoms in cases of Hyperopia 275
Koch, C. C. Optometric Classics..... 319
Koch, C. C. Orthoptic Treatment work in Squint Cases 317
Koch, C. C. Theories of Color Vision..... 357
Koch, C. C. Use of visible light in the correction of refractive and muscular abnormalities 158
Koch, C. C. Visual Fatigue caused by glare 359
Koch-Weeks bacillus 426
Kohlhoester 83, 85
Kraskin, Lewis H..... 279
kratoculator (also see orthoptic treatment) 303
kratometer (also see orthoptic treatment)....28, 223, 245, 297, 307, 463, 464, 465
Krilenyi 475
Krolls 297
Kuntz 216
Kurlander, J. H..... 154
Kurtz, J. I.....70, 78, 118, 157, 160, 166, 195, 196, 197, 198, 215, 227, 239, 248, 277, 280, 402, 403, 404, 444, 445, 447, 474, 475, 476
Kurtz, J. I. Benjamin Franklin the inventor of Bifocals..... 475
Kurtz, J. I. Bilateral ptosis, a case of.... 227
Kurtz, J. I. Effect of light which enters the eye 239
Kurtz, J. I. Graduate Optometric Education 403
Kurtz, J. I. Hygiene of Illumination..401, 446
Kurtz, J. I. Monolateral blindness treated with physical agents, a case of..... 70
Kurtz, J. I. Muscles of the Iris and their action 474
Kurtz, J. I. Ocular Manifestations of Diabetes 276
Kurtz, J. I. Ocular symptoms in general pathology 237
Kurtz, J. I. Optometric Education and research 236
Kurtz, J. I. Optometry's advancement.... 194
Kurtz, J. I. Pupillary size as a measurement of ocular fatigue..... 196
Kurtz, J. I. Refraction with and without a cycioplegic 248
Kurtz, J. I. Refractive errors in children. 473
Kurtz, J. I. Research Foundation of the Pennsylvania State Col. of Optometry.. 444
Kurtz, J. I. Stereoscopic vision..... 441
Kurtz, J. I. Symptoms of Ear and Throat involvements 404

L

lacrymal bone 56
lacrymal duct 48
lacrymal gland 52, 277, 433, 437
Ladd-Franklin, Christine 151, 357, 359
lamina cribosa 50
Landachre, F. L..... 65
Landolt, E.....365, 368, 376, 377, 412, 454
Langley 84
Lasley 216
Latham, J. R..... 136
Laurance, L.....288, 312, 320, 328, 344, 345
Laurens 86
Lazich, B. M..... 379
Lazich, B. M., Astigmatic Accommodation 379
lenticular astigmatism.....379, 380, 381, 382
Lesser, S. K.....38, 39, 460
Leutz, C. R..... 108
levator palpebrarum muscle..... 228
Leventhal, J. H..... 246
Levin, N. 117
Levin, N., A case of exotropia..... 114
Lewis, L. I..... 360
lice 430
lids, eye.....1, 49, 105, 134, 227, 228, 229, 230, 231, 232, 273, 276, 277, 406, 407, 409, 410, 431, 432, 433, 435, 437
Liebnitz 475
light stimulation in the treatment of amblyopia (also see orthoptic treatment) 298
Lighting and vision, C. C. Koch..... 152
lighting, proper....29, 152, 153, 154, 155, 156, 157, 280, 359, 401, 446, 447
Lighting Research Laboratory..... 446
Lloyd 312
Lockwood 344, 345
locomotor ataxia 427
Lodge 84
Loeb, Carl 158, 159, 160
London Lock Hospital.....438, 439
London Optical Association..... 404
London Refraction Hospital.....423, 438
longitudinal horoptor 391
Luck, J. M..... 108
Luckiesh, M.....108, 154, 156, 196, 280, 446
Lueck, I. B.....340, 344, 345
lues cerebri 238
Lyman 85
lymph 145
Lyon, E. P..... 403

M

Macfie, R. C..... 239
macula 214
maculovator (also see orthoptic treatment) 298, 303
maddox double prism..... 368
Maddox, E. E.....65, 225, 289, 298, 312, 365, 377, 412
maddox rod 67, 368
Madigan 393, 400
MacElree, George A..... 280
Magdsick, H. H..... 154

manuductor (also see orthoptic treatment) 297, 298, 303
Marton, H. B. 77
massage 71
Mathews, A. P. 108
maxilla 55
Maxwell 79, 80
May, Charles H. 361
Mayer, D. J. 119, 122, 126, 127, 129
Mayer, Donald J., The effects of exogenous toxemia diagnosed by chromagraphology 119
Mayer, E. 108
Mayo Clinic and Foundation. 364, 403, 412, 448
McCordock, Howard 132
McCulloch, O. 312
McDougall 151
McFadden, F. 213, 244, 246, 384
McFadden, F., A Five outlet rheostadt ... 384
McFadden, F., Mechanical Experiments to reproduce the functions of the Extra-Ocular Muscles 244
McIlroy, H. 473
Medical treatment in cataract cases. T. H. Eames 232
megaleikonia 393
Melvin, O. J. 216, 279
meningitis 405, 434
menopause 286
mercury compounds 423, 424
metabolism test 174
Metastatic Calcification-Hyperparathyroidism. Russell E. Simpson 130
metronome, Maezel 464
micreikonic 393
Mid-Life Imbalance Phenomenon. H. S. Horton 240
migraine 397
Miles 345
Miller, Eugene 151
Millikan, R. A. 83, 85, 86, 108
Minnesota Academy of Optometry. 403, 444, 446
mirror spectacles 352, 353, 354, 355
Moeli 435
Mohr 433
monochromatic light 334, 335
monochromators 90
Monolateral Blindness, a case of. J. I. Kurtz 70
Morgan, J. J. B. 231
Morris 216
Morrow, John F. 280, 313
Mortenson, Peter A. 200
Morton, A. S. 268, 270
Moss, Frank K. 154, 156, 196, 446
motor nerves 404
Muscles, extrinsic. R. M. Hall 48
mydriasis of the iris 190
Myer 270
myoculator (also see orthoptic treatment) 289, 297, 301, 302
myologic imbalance 240, 281
myologic unit (also see orthoptic treatment) 223, 225, 289, 297, 301, 302
myopia 3, 24, 29, 34, 67, 73, 77, 118, 137, 161, 165, 183, 203, 204, 205, 206, 207, 208, 209, 210, 211, 220, 273, 285, 286, 342, 343, 372, 396, 403, 417, 435, 449, 450, 452, 453, 473, 474
myosis of the iris 190

N

nascentizing 218, 219, 220
Nathanson 110
National Academy of Science 441
Neale, A. R. 463, 467, 468
Neame, H. 277, 278
Needles, W. B. 199, 422, 461
Needles, W. B. and Heather, W. J., Optometric Survey 199
negative fusion reserves (also see abduction) 416, 418, 458, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472
Negative Fusional Convergence Amplitude, an investigation of the. Wm. J. Tait 462
negative image 360
Neill, John C. 279, 406
Neill, J. C., Ptosis Crutches 406
Neisser 429
nephritis 131, 132
Nernst 87
nerve head 2
Neumann 433
Neumueller, J. 347, 393, 404
neurology 78, 240
neuropathic divergent strabismus (also see squint) 286
neuropathic squints (also see squint) 286
neuroretinitis 191, 405
Newman 75
Newton, Sir I. 81, 84, 197, 322, 338, 344, 475
New York Post Graduate Medical School. 249
Nichols 84, 86
night-blindness 114
normalizing unit, Wottring (also see orthoptic treatment) 297, 301, 302, 303, 307, 308
Northampton Politechnic Institute of London 197
Northern Illinois College of Optometry .. 199, 200, 211
nose 404, 405
Nott, I. S. 422, 461
nystagmus 32, 201, 238, 295, 310, 405, 434

O

Oblath 345
occasional squint (also see squint) 284
occlusion, the use of (also see orthoptic treatment 298
Ocular Convergence, Charles Sheard 412
Ocular Disease, the recognition of. D. R. Paine 185
ocular fatigue engendered by glare 153, 154, 272
Ocular fatigue, pupillary size as a measurement of. J. I. Kurtz 196
ocular hygiene 29, 128, 129
Ocular Images, the clinical significance of differences in the size and shape of. Howard C. Doane 390
ocular images, the size and shape of .. 279, 390, 391, 392, 393, 394, 395, 396, 397, 399, 400
Ocular palsies 277
Ocular symptoms in general pathology. J. I. Kurtz 237
Ocular symptoms of Ear and Throat involvement. J. I. Kurtz 404
Oday, A. B. 154
Oertel, G. D. 312, 346
Ogle 391, 392, 393
Ohio State University 65
opaque disc 33
ophthalmia neonatorum 430, 436, 439
Ophthalmic Hospital of London 439
ophthalmo-eikonometer 394, 395, 396, 397, 398, 399, 400
Ophthalmological Society of the United Kingdom 269
ophthalmometer 3, 5, 28, 33, 128, 222, 223, 248, 269, 290, 324, 362, 398, 413
ophthalmoscope 2, 22, 28, 33, 109, 120, 123, 174, 191, 192, 220, 222, 223, 228, 234, 249, 269, 273, 283, 284, 285, 289, 384, 389, 398, 413, 433
optic atrophy 189, 192, 232, 434, 435, 438
optic foramen 48, 49, 51, 52, 148
optic nerve 50, 51, 52, 55, 141, 148, 189, 191, 192, 232, 234, 239, 241, 433, 434, 435, 437

optic neuritis 433
optic tracts 148
optics, theoretic 74
Optical control of the central gray. H. Riley Spitler..... 212
optometer-stereo, Wells (also see orthoptic treatment).....293, 297, 317
Optometric Classics. Koch, C. C..... 319
Optometric education and research. J. I. Kurtz..... 236
Optometric Education, Graduate. J. I. Kurtz..... 403
Optometric education, the fundamentals of. W. H. Glazer..... 74
Optometric Quantitative Analysis of the findings from a routine Examination. Robert N. Walker..... 1
Optometric survey at the Chicago Parental School. W. B. Needles and W. J. Heather 199
Optometry, the Art of. E. LeRoy Ryer and Elmer E. Hotaling..... 28
Optometry's advancement. J. I. Kurtz.... 194
orbiculars oculii 48, 49, 52
orbital contents 48, 49, 50
orbital contents, the removal of.....48, 49
orbits.....35, 48, 275, 283, 404, 405, 431
orthophoria.....3, 5, 6, 7, 9, 25, 205, 208, 209, 211, 223, 396, 414, 420
orthoptic treatment.....3, 5, 6, 7, 8, 9, 11, 12, 13, 14, 18, 22, 23, 24, 32, 34, 115, 116, 117, 124, 128, 162, 175, 176, 177, 178, 182, 240, 242, 243, 247, 286, 287, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 317, 319, 321, 377, 412, 417, 419, 458, 460, 462, 477, 478
Orthoptic treatment room.....296, 297
Orthoptic treatment work, the value of in squint cases. Koch, C. C..... 317
otoscope..... 384

P

Pacini, A. J..... 108
Paine, D. R..... 185
Paine, D. R., Optometry's obligation in the recognition of ocular disease..... 185
palilladeoma 405
Palladin, V. I..... 108
palpebral fissure 283, 407, 409
palsy, bilateral 238
paralytic squint (also see squint)..... 284
parathyroid glands.....91, 96, 97, 98, 99, 100, 107, 131, 133
Parsons, Sir J. H.....363, 476, 477
Pascal, J. I.....268, 271, 422, 450, 461
Pasque 214, 215
Pasteur 326
Pathology, ocular symptoms in general. J. I. Kurtz..... 237
Pavlov 67
Pech 322, 336, 340, 342
Peckham, Robert H..... 40
Peckham, Robert H., A new precision stereoscope and a new objective technique for investigating binocular phenomena 40
Peckham, R. M.....12, 213, 221, 223, 224, 298, 312, 422, 461
pediculosis 430
Peneke 133
Pennsylvania State College of Optometry.....75, 76, 236, 237, 444, 445, 462
perception, testing for simultaneous.292, 307
Percival, A. S.....238, 364, 365, 368, 369, 370, 371, 372, 374, 375, 376, 377
perimeter.....28, 119, 129, 191, 193, 219, 283, 284, 297, 338, 351, 405
periodic squint (also see squint).....284, 286
periosta.....48, 49, 52, 54, 55
Peter, L. C.....319, 422, 461
Petry, Ernest 278
pharynx 405
Phi Sigma Epsilon, Beta Chapter..... 119
phoria tests.....3, 5, 9, 10, 11, 14, 47, 66, 67, 69, 109, 115, 134, 168, 175, 176, 177, 178, 208, 209, 210, 369, 398, 413, 459
phorometer (also see orthoptic treatment).....69, 380, 454, 464
photochemical activation 87, 88
photo-electric cell 328
photometer, Bunsen grease-spot..... 328
photometer, Flicker 328
photometer, Lummer-Brodhum 328
photometer, Rumford shadow..... 328
photometry 328
photophobia 70, 125, 133, 136, 137, 138, 139, 201, 272, 273, 276, 397, 405
physical examinations.....174, 175, 242, 294
physical therapy, ocular.....70, 71, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 195, 228, 229, 230, 231, 232
physician, family—referring patients to.....174, 175, 242, 294
physics of light.....74, 75, 77, 197, 358
physiological cup 2, 190
physiological exophoria (also see exophoria).....9, 125, 136, 367, 415, 471
physiological optics.....74, 382
physiology 75
Piccard 86
Pickard, R. 112, 113
Pierce, G. J..... 108
Pierce, W. I..... 404
Pincussen 91
Pine, Harry E.....221, 297, 312
Pine, H. E., Amblyopic treatment technics 221
Planck 80, 92
Plato 157
pneumococcus 426
pneumonia 430
Pollack, P. 66
Pollack, Phillip. The question of accommodation-convergence 66
polygraph 44
polychromatic light 334
polyopia 349
positive fusional convergence reserve (also see adduction).....416, 458, 462
Powell, A. L..... 154
Prentice, Charles F.....320, 414, 415
Prentice rule 414, 415
presbyopia.....12, 24, 240, 327, 342, 369, 414, 418, 450, 452, 453, 457
preserving fluids, dissecting ocular..... 49
Preston 344, 345
Priestley-Smith 289
primary colors 358
prism, spectra obtained from..... 333
prismatic corrections, the prescribing of (also see orthoptic treatment).....364, 374
Prisms, the prescription of. Chas. Sheard. 364
prisms, the use of adverse.....296, 302
Proctor 344
prognosis from refractive findings.47, 227, 233
projection, the establishment of true..... 303
prophylaxis 29
pseudo-myopia (also see myopia)....159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 182, 183, 323, 343, 417
pseudoscope, Stratton type.....44, 46
pseudo-squint (also see squint)..... 284
psychic squint (also see squint)..... 281
psychoanalyst 282
psychology....75, 157, 164, 166, 178, 239, 270, 280, 287, 295, 441
Psychology of stereoscopic vision. J. I. Kurtz..... 441
Ptosis crutches, a further report on. J. C. Neill..... 406

ptosis, functional bilateral.....227, 228, 229, 230, 231, 279, 283, 405, 406, 407, 408, 409, 410, 411
Ptosis, functional bilateral, a case of. J. I. Kurtz..... 227
ptosis spectacles....321, 406, 407, 408, 409, 410, 411
pulse rate 174
punctae 1
pupil (also see iris)....1, 21, 32, 107, 137, 138, 141, 190, 191, 196, 220, 222, 228, 238, 248, 249, 273, 351, 407, 410, 432, 434, 436
pupillary distance.....44, 67, 116, 117, 414
pupillary reflex tests.....273, 398
Pupillary size as a measure of ocular fatigue. J. I. Kurtz..... 196
pyorrhea 123, 124

Q

quartz spectroscopes..... 90
quiniodin 91

R

radiant energy.....79, 91, 92, 93, 96, 99, 100, 101, 103, 104, 105, 106, 107, 160, 161, 163, 166, 168, 173, 177, 179, 182, 193, 214, 215, 222, 333, 334, 336
radiometers **86**
Rand 118
Rea, R. L..... 438
Reber 56
red filters 298, 328, 329, 334, 335, 336, 337, 340, 341, 342, 347
red-free glass, the use of..... 279
Refraction with and without a Cycloplegic. J. I. Kurtz..... 248
Refractive errors in children. J. I. Kurtz. 473
refractor 28
relative convergence (also see convergence) 368
Research and optometric education. J. I. Kurtz..... 236
Research Foundation of the Pennsylvania State College of Optometry. J. I. Kurtz. 444
retina (see fundus)....69, 106, 113, 118, 120, 121, 122, 134, 137, 141, 142, 143, 145, 148, 151, 189, 191, 193, 213, 214, 219, 234, 238, 239, 277, 284, 325, 334, 335, 339, 351, 352, 354, 358, 359, 382, 390, 391, 392, 393, 394, 405, 431, 432, 433, 436, 437, 442, 443, 452
retina, microscopic examination of..... 145
retinal fatigue 360
retinal synapse 118
retinitis.....277, 405, 431, 432, 433, 437, 438
retinitis pigmentosa 433
retinoscope (see skiametry).....28, 285, 291, 316, 317, 324, 379, 384, 389, 398, 413
retinoscopy (see static skiametry and dynamic skiametry)
retrobulbar neuritis 238, 405
Rhazes 425
Rheostadt, a five outlet. F. McFadden.... 384
rheostat, ophthalmic.384, 385, 386, 387, 388, 389
rheumatism 37
rickets 130, 131
Righi 84
Riley 241
ringworm 430
Ritter 81, 85
Robinson 91
Robinson, S. H.....321, 422, 461
Roentgen.....82, 83, 85
Rood 344, 345
Rosenheim 92
Rosenkranz, B. G..... 198
rotary prism (see phorometer)..3, 6, 69, 293, 297, 317
Rothman 92
Rubens 84
Rushmer, J. T..... 111
Rushmer, J. T., a case of large amount of astigmia 111
Russell 214
Russell, E. H..... 108
Russell, W. K..... 108
Rutherford 83, 85
Ryer, E. LeRoy....28, 279, 280, 320, 322, 345, 346, 347, 362, 404
Ryer, E. L. and Hotaling, E. E., Bichrome Refraction 322
Ryer, E. LeRoy and Hotaling, Elmer E. The Art of Optometry..... 28

S

Salov, H. Leslie.....109, 103
Salov, H. Leslie. A case of eye tic..... 109
Salov, H. Leslie. A case of subnormal vision-glaucoma 193
salvarsan 423, 424
Savage, G. C.....312, 365, 377
scabies 430
scalpel 48, 49
Schanz..... 345
schematic eyes 29
Schneller 52
Schultze, Max 144
Schumann 85
sclera.....1, 52, 141, 189, 190, 277, 432, 434
scleritis 190
sclerosis, disseminated 238
scotoma.....238, 284, 405, 434
Screen test 285
selenium 147, 148, 151
Sheard, Charles....75, 76, 79, 89, 91, 92, 97, 98, 99, 100, 101, 102, 108, 304, 312, 320, 344, 345, 362, 364, 377, 379, 403, 404, 412, 422 448, 450, 451, 461
Sheard, Charles. Ocular Convergence.412, 448
Sheard, Charles. Some physical properties and biological effects of the radiations of the electro-magnetic spectrum..... 79
Sheard, Charles. The Prescription of Prisms 364
shingles 430
Sigaud 213
sight-meter 464
Simpson, R. E. (C. E.)..... 155
Simpson, Russell E. (Opt.D.).130, 131, 135, 403
sinus.....120, 123, 124, 205, 404, 405
sixth nerve 52, 277
Skeffington, A. M.....3, 4, 27, 38, 39, 422, 461
skiametry, fixation for.....290, 291
skiametry, dynamic (also see retinoscope) 4, 33, 38, 70, 116, 120, 137, 159, 161, 162, 163, 164, 165, 169, 170, 171, 172, 173, 174, 179, 228, 290, 320, 379, 398, 413, 450, 451, 452, 454, 457, 459, 460, 471
skiametry, static (also see retinoscope)...3, 33, 34, 70, 116, 120, 128, 137, 159, 161, 162, 163, 164, 165, 168, 169, 170, 171, 172, 173, 179, 196, 218, 222, 223, 228, 248, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 267, 268, 270, 273, 290, 316, 317, 383, 398, 413, 449, 452, 457, 458, 459, 460
slit-lamp 384
Smith, Francis M..... 134
Smith, H. A..... 154
Socrates 157
soft-sore.....430, 437, 438
Sorbonne, Paris, France..... 249
Southall, J. P. C.....73, 74, 75, 76, 344, 345
Southern Society for Philosophy and Psychology..... 40
spasm of accommodation..... 450
spectroband (also see physical therapy).160, 161, 162, 163, 164, 165, 167, 169, 173, 178, 179, 217, 218, 219, 220, 239
spectrophotometers 90, 102
spectroscope 336, 340

spectrum.....77, 79, 80, 81, 82, 83, 84, 85, 86, 88, 89, 92, 94, 95, 102, 104, 105, 158, 160, 333, 334, 335, 347, 358
Spectrum, the electro-magnetic. Charles Sheard 79
spectrum transmission charts..... 138
Sperti 214
sphincter muscles of the iris..... 474
spinal miosis 434
Spitler, H. Riley.....158, 183, 212, 214
Spitler, H. Riley. Optical control of the central gray 212
Spoehr, H. A..... 108
Spurious squint (also see squint)..... 284
squint (also see extra-ocular muscles)....33, 34, 47, 76, 77, 180, 186, 222, 223, 224, 242, 247, 279, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 313, 317, 318, 319, 435, 477, 478
Squint cases, the value of orthoptic treatment work in. Koch, C. C..... 317
squint corrector (also see orthoptic treatment.....243, 297, 301, 302
staphylococcus 426
staphyloma 190
static retinoscopy (see skiametry-static)
Static Skiametry, the Aronsfeld Prism technic of. Koch, C. C..... 316
Steenbock 91, 97
Steinmetz, C. P.....83, 108
stenopaeic slit 343
stereopsis..34, 292, 294, 308, 441, 442, 443, 444
stereoscope (also see orthoptic treatment) 40, 41, 42, 43, 44, 45, 46, 47, 224, 225, 290, 297, 307, 442, 443
Stereoscope, a new precision. Robert H. Peckham 40
stereoscope, Wheatstone (also see orthoptic treatment) 40, 46
stereoscopic treatments (see orthoptic treatment)
stereoscopic treatment charts (also see orthoptic treatment).....77, 224, 290, 294, 297, 307, 308, 442
Stereoscopic vision, the phychology of. Kurtz, J. I..... 441
stethoscope 195
stethoscopic sounds 174
Stevens, G. T.....65, 365, 378
Stickney, G. H..... 154
Stieren 435
Stiffler, W. W..... 478
Stiles, W. 108
Stilling pseudo-isochromatic color test.. 339
stimulation, direct light in the treatment of amblyopia 298
Stokes 344
strabismometer, Lawrence (also see orthoptic treatment 288
strabismometer, Maddox's tangent (also see orthoptic treatment).....289, 297
strabismus (also see squint)..... 281
Strabismus, the non-operative treatment of. R. M. Hall..... 281
St. Thomas Hospital, London..... 195
subjective tests....3, 4, 5, 8, 9, 10, 11, 15, 18, 33, 47, 118, 120, 137, 166, 169, 170, 171, 172, 173, 174, 175, 179, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 267, 268, 270, 272, 290, 322, 323, 324, 343, 346, 398, 413, 450, 457, 459
Subnormal vision, a case of. H. Leslie Salov 193
sub-normal vision, the relief of (also see amblyopia).....72, 73, 76, 193, 297
successive contrast 360
superior orbital nerve..... 51
suppression lenses (also see orthoptic treatment) 298
supra-orbital fissure 48, 49, 50
Survey, Optometric at the Chicago Parental School. W. B. Needles and W. J. Heather 199
Sutcliff, R. L..... 77
Sutler 312
Swann, L. A.....422, 461
Sweet 249, 270
symptoms (also see case history)..1, 32, 113, 114, 120, 121, 125, 128, 133, 159, 170, 175, 176, 185, 187, 188, 189, 217, 227, 237, 238, 272, 273, 274, 275, 276, 282, 283, 349, 364, 365, 394, 397, 400, 404
Symptoms and diagnosis. C. C. Koch.... 113
Symptoms in general pathology, ocular. J. I. Kurtz..... 237
synovial membrane 54
syntonized 218, 219, 220
syphilioma 427
syphilis.....37, 192, 283, 424, 425, 426, 427, 428, 429, 431, 432, 433, 434, 435, 436, 439, 460

T

tabes.....238, 427, 434, 438
Tait, Edwin Forbes.....38, 66, 137, 279, 347, 362, 404, 422, 445, 450, 461, 469, 471
Tait quantitative system of skiametry 451, 471
Tait, William J..280, 312, 462, 465, 466, 467, 468
Tait, Wm. J. Investigation of Negative Fusional Convergence Amplitude..... 462
Tanaka 132
tape, Priestly Smith's..... 289
Taylor 88, 92
Tear 84, 86
teeth.....120, 124, 205, 296
telebinocular, Keystone (also see orthoptic treatment) ..33, 225, 293, 294, 297, 307, 308
telescopic spectacles 193, 362
television 147
Telkes 214, 215
Temple University 445
tenon, capsule of.....53, 54
thermopiles 90, 103
Terrill, H. M..... 108
Tesla 84
test chart.....28, 234, 249, 270, 290, 335
Theobold, S. 268, 270
third nerve.....52, 227, 228, 277, 405
Thompson 214, 344
throat.....120, 123, 124, 404, 405
Thrombosis of the retinal vessels..... 191
Tic, eye. H. Leslie Salov..... 109
Tilney 241
Tinker, M. A.....401, 402, 403, 446
tongue 405
tonicity, nerve.....240, 241, 244, 247, 280
tonsils.....133, 205, 296
toxemia (also see focal infection)....3, 4, 8, 14, 119, 120, 121, 123, 124, 125, 127, 128, 241, 242, 404, 405
toxic amblyopia (also see amblyopia).... 192
trachoma 190
trans-illumination 120, 123, 321
transilluminator 384, 389
Traquair 238
trauma 282
traumatic squint (also see squint)..... 282
treatment of squint (also see squint and also see orthoptic treatment)..... 281
Treatment technics, amblyopic. H. E. Pine..... 221
trial case 4, 10, 249
trigonometry 74, 278
trochlear pulley 53, 54, 55
Troland, L. T.....344, 345, 359
true squint (also see squint)..... 284
Tscherning.....75, 249, 271, 344, 345
tuberculin tests 174
tuberculosis 37, 192

tumour, intra-orbital 434
Turner, A. S..... 154
Turville, A. E..... 276
Twitmyer 110

U

ulcer, corneal or conjunctival....431, 433, 436
Ulrey, C. T..... 108
ultra-violet radiations.....79, 80, 81, 83, 84, 85, 86, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 102, 103, 104, 105, 106, 107, 108, 160
unilateral squint (also see squint)..... 284
University College of London..... 195
University of California..... 445
University of Minnesota.227, 403, 444, 445, 446
University of Pennsylvania..... 445
University of Vienna..... 249
uremia 131
urinalysis.....121, 134, 174
Uttal, D. K..... 198
uveal tract....190, 191, 249, 405, 431, 432, 436
uveitis 190, 405

V

vacuum electrode 71
Valasek, J.....108, 344, 345, 403
Van Etten, N. B.....314, 315
veins (also see blood vessels)..2, 56, 141, 276, 405
Veith-Muller circle 391
Venereal Diseases, Ocular Involvements from. W. Gasson..... 423
venereal utheritis 424
Verhoeff 106
versions.....2, 222, 223, 244, 246, 247, 285
Villiger..... 216
Virchow, R.....132, 135
Visible light, the use of in the correction of refractive and muscular abnormalities. C. C. Koch..... 158
visible rays....84, 86, 93, 94, 95, 99, 100, 103, 104, 105, 108, 158, 328
visible spectroscopes 90, 328
visual acuity.....2, 5, 70, 71, 159, 161, 162, 163, 164, 165, 168, 175, 179, 180, 222, 223, 224, 290, 291, 409, 410
vitaglass 97, 101, 102
vitamin D.....98, 130
vitreous.....2, 106, 141, 190, 193, 432, 433
vitreous opacities 189
Vivian, W. O..... 280
Volkers 380
Volkman 52, 65
Voltaire 475
von Bayer 84
von Rohr 344

W

Walker, Keith 121
Walker, Robert N.....1, 27, 39, 422, 461
Walker, Robert N. A method of optometric quantitative analysis of the findings from a routine examination..... 1
Washburn, M. F.....441, 442, 444
wassermann test.....174, 428, 429
Weatherwax, J. L.....108
Webster 91, 92
Wein 83
Weinstock 91
Weiss 55, 91
Weissman 75
Weitzenhof stereoscopic attachment (also see orthoptic treatment).....307, 308
Wells 297, 312
Wells, A. A..... 108
Weston Instrument Co..... 464
Weymouth, F. W.....370, 378
Whately, George 475
Wilber, D. L..... 114
Wilkinson 288, 312
Windhaus 92
Wiseman, E. G.....275, 320
Wittlig, A. H.....48, 55, 56
Wittlig, A. H. A study of the extrinsic muscles of the eye..... 48
Wolfe, O. 403
Woll, Frederic 76, 320, 421
Wollaston 81, 322
Wood, R. W..... 77
Woodruff, C. E..... 108
Woodruff, E. W..... 76
Worth, Claud.....65, 286, 290, 292, 312, 319
Wundt 151
Wyatt, L. K.....32, 114
Wyatt, Lloyd K. A case leading to the study of accommodation - convergence relationship 32

X

X-rays 81, 82, 83, 84, 85, 86, 90, 93, 94, 95, 124, 134, 174, 197

Y

Young, Thomas....150, 151, 322, 357, 358, 359

Z

Zinn, ring of.....49, 50, 51, 52, 53, 54
Zoethout 312